

# BEST AVAILABLE COPY

Form PTO 543 (Rev. 10-94)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No.

8/154,829

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 11/22/96

A. ☒ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

### 1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color.

- ☐ Not black solid lines. Fig(s) \_\_\_\_\_
- ☐ Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_

### 2. PHOTOGRAPHS. 37 CFR 1.84(b)

- ☒ Photographs are not acceptable until petition is granted. Fig(s) 2-6
- ☐ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) \_\_\_\_\_
- ☐ Poor quality (half-tone). Fig(s) \_\_\_\_\_

### 3. GRAPHIC FORMS. 37 CFR 1.84(d)

- ☐ Chemical or mathematical formula not labeled as separate figure. Fig(s) \_\_\_\_\_
- ☐ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) \_\_\_\_\_
- ☐ Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) \_\_\_\_\_

### 4. TYPE OF PAPER. 37 CFR 1.84(c)

- ☐ Paper not flexible, strong, white, smooth, nonshiny, and durable. Sheet(s) \_\_\_\_\_
- ☐ Erasures, alterations, overwritings, interlineations, cracks, creases, and folds copy machine marks not accepted. Fig(s) \_\_\_\_\_
- ☐ Mylar, velum paper is not acceptable (too thin). Fig(s) \_\_\_\_\_

### 5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

- 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)
- 21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)
- 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)
- 21.0 cm. by 29.7 cm. (DIN size A4)
- ☐ All drawing sheets not the same size. Sheet(s) \_\_\_\_\_
- ☐ Drawing sheet not an acceptable size. Sheet(s) \_\_\_\_\_

### 6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size

21.6 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm. X 33.1 cm. (8 1/2 X 13 inches)	21.6 cm. X 27.9 cm. (8 1/2 X 11 inches)	21.0 cm. X 29.7 cm. (DIN Size A4)
T 5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5 cm. (1")
L .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")
R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")

Margins do not conform to chart above.

Sheet(s) \_\_\_\_\_  
Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_ Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

### 7. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

- ☐ All views not grouped together. Fig(s) \_\_\_\_\_
- ☐ Views connected by projection lines or lead lines. Fig(s) \_\_\_\_\_
- ☐ Partial views. 37 CFR 1.84(h) 2

View and enlarged view not labeled separately or properly. Fig(s) \_\_\_\_\_

Sectional views. 37 CFR 1.84(h) 3

Hatching not indicated for sectional portions of an object. Fig(s) \_\_\_\_\_

Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) \_\_\_\_\_

### 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) 1-5

### 9. SCALE. 37 CFR 1.84(k)

- ☐ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_
- ☐ Indication such as "actual size" or scale 1/2" not permitted. Fig(s) \_\_\_\_\_

### 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings). Fig(s) 7

### 11. SHADING. 37 CFR 1.84(m)

- ☒ Solid black shading areas not permitted. Fig(s) 7
- ☐ Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

### 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

- ☒ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) 1-19
- ☐ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_
- ☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_
- ☒ Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3) Fig(s) 10A

### 13. LEAD LINES. 37 CFR 1.84(q)

- ☐ Lead lines cross each other. Fig(s) \_\_\_\_\_
- ☐ Lead lines missing. Fig(s) \_\_\_\_\_

### 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

☐ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) \_\_\_\_\_

### 15. NUMBER OF VIEWS. 37 CFR 1.84(u)

- ☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_
- ☐ View numbers not preceded by the abbreviation Fig. Fig(s) \_\_\_\_\_

### 16. CORRECTIONS. 37 CFR 1.84(w)

- ☐ Corrections not made from prior PTO-948. Fig(s) \_\_\_\_\_

### 17. DESIGN DRAWING. 37 CFR 1.152

- ☐ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_
- ☐ Solid black shading not used for color contrast. Fig(s) \_\_\_\_\_

### COMMENTS:

- Fig legend title of (Fig 8A-12)  
- Gray areas of (Fig 7, 8A, 8B-8D, 12-19)  
- Characters in shaded areas must be shown clear (Fig 13/14-18)  
WJS

ATTACHMENT TO PAPER NO. 4

REVIEWER

DATE

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4/16/97

### REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

### INFORMATION ON HOW TO EFFECT DRAWING CHANGES

#### 1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### 2. Timing of Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

#### 3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 946

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the inventor before the application will be allowed. Changes without permission of the inventor, other than correction of informalities, violate the examination procedure and may result in rejection.

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